

$$[6, 055, 634]$$

11/2/2021

[illegible]

5,18-22

$$5,18 - 22$$

-16-

1 6. The method of claim 5, wherein the signed certificate is imported to a  
2 device that performs SSL processing on behalf of the server.

1 7. The method of claim 1, further comprising identifying at least two  
2 certificate signing requests associated with the signed certificate. 3, 31-45

1 8. A method comprising:  
2 providing a mapping table including distinguished name data for each of a plurality of  
3 certificate signing requests;  
4 extracting distinguished name data from a signed certificate received from a certificate  
5 authority; and  
6 \*comparing the extracted distinguished name data with the mapping table data to identify  
7 a certificate signing request associated with the signed certificate from the  
8 plurality of certificate signing requests.

1 9. The method of claim 8, the mapping table including at least a common  
2 name for each of the plurality of certificate signing requests.

1 10. The method of claim 8, the extracted distinguished name data comprising  
2 all of the distinguished name data contained in the signed certificate.

1 11. The method of claim 8, the extracted distinguished name data comprising  
2 a common name.

1 12. The method of claim 8, further comprising comparing a portion of the  
2 extracted distinguished name data with a portion of the distinguished name data of each  
3 certificate signing request contained in the mapping table to identify the certificate  
4 signing request associated with the signed certificate.

1 13. The method of claim 12, the portion of the extracted distinguished name  
2 data comprising a common name.

1 14. The method of claim 8, further comprising:  
2 comparing the extracted distinguished name data with the mapping table data to identify  
3 at least two certificate signing requests from the plurality of certificate signing  
4 requests; and  
5 determining which of the at least two certificate signing requests is associated with the  
6 signed certificate.

1 15. The method of claim 14, further comprising performing a second search of  
2 the mapping table data to determine which of the at least two certificate signing requests  
3 is associated with the signed certificate.

1           16.     The method of claim 8, further comprising importing the signed certificate  
2     to a server associated with the identified certificate signing request.

1           17.     The method of claim 16, wherein the signed certificate is imported to a  
2     device that performs SSL processing on behalf of the server.

1           18.     The method of claim 8, further comprising identifying at least two  
2     certificate signing requests associated with the signed certificate.

1           19.     A method comprising:

2     generating a certificate signing request, the certificate signing request including  
3     distinguished name data;

4     storing the distinguished name data in a mapping table;

5     transmitting the certificate signing request to a certificate authority; 1, 64-65

6     receiving a signed certificate from the certificate authority, the signed certificate 1, 58-60

7     including distinguished name data;

8     extracting the distinguished name data from the signed certificate; and 2, 45-47

9     comparing the extracted distinguished name data with the stored distinguished name data

10     contained in the mapping table to identify the certificate signing request.

1           20.     The method of claim 19, the stored distinguished name data comprising all  
2     of the distinguished name data contained in the certificate signing request. 3, 21-45

1           21.     The method of claim 19, the stored distinguished name data comprising a  
2     common name.

1           22.     The method of claim 19, further comprising comparing a portion of the  
2     extracted distinguished name data with a portion of the stored distinguished name data.

1           23.     The method of claim 19, further comprising comparing a common name  
2     contained in the extracted distinguished name data with a common name contained in the  
3     stored distinguished name data.

1           24.     The method of claim 19, the extracted distinguished name data comprising  
2     all of the distinguished name data contained in the signed certificate.

1           25.     The method of claim 19, the extracted distinguished name data comprising  
2     a common name.

1           26.     The method of claim 19, further comprising:  
2     generating a key pair associated with the certificate signing request; and  
3     identifying the key pair when comparing the extracted distinguished name data with the  
4     stored distinguished name data.

1           27.     The method of claim 19, further comprising importing the signed  
2     certificate to a server associated with the certificate signing request.

1           28.     The method of claim 19, further comprising importing the signed  
2     certificate to an SSL processing device.

1           29.     A system comprising:  $\left( \begin{matrix} \text{10} \\ \text{3} \end{matrix} \right)$   
2     a memory coupled with a bus, the memory having a mapping table resident thereon; and  
3     a processing device coupled with the bus, the processing device to  
4         read distinguished name data from a signed certificate received from a certificate  
5         authority, and  
6         search the mapping table to identify a certificate signing request associated with  
7         the signed certificate, the identified certificate signing request  
8         corresponding to the read distinguished name data.

1           30.     The system of claim 29, the processing device to identify a key pair  
2     associated with the signed certificate.

1           31.     The system of claim 29, the read distinguished name data comprising all  
2     of the distinguished name data contained in the signed certificate.

1           32.     The system of claim 29, the identified certificate signing request  
2     corresponding to a portion of the read distinguished name data.

1           33.     The system of claim 29, the memory comprising a non-volatile data  
2     storage device.

1           34.     The system of claim 29, wherein a plurality of servers are coupled with the  
2     bus, the processing device to download the signed certificate to a selected server of the  
3     plurality of servers, the selected server associated with the identified certificate signing  
4     request.

1           35.     The system of claim 29, wherein an SSL processing device is coupled  
2     with the bus, the processing device to download the signed certificate to the SSL  
3     processing device.

2003722-0100

1 36. <sup>2</sup> An article of manufacture comprising:

2 a machine accessible medium providing content that, when accessed by a machine,  
3 causes the machine to  
4 read distinguished name data from a signed certificate received from a certificate  
5 authority; and  
6 search a data structure to identify a certificate signing request associated with the  
7 signed certificate, the identified certificate signing request corresponding  
8 to the read distinguished name data.

1 37. The article of manufacture of claim 36, wherein the content, when  
2 accessed, further causes the machine to identify a key pair associated with the signed  
3 certificate.

1 38. The article of manufacture of claim 36, the read distinguished name data  
2 comprising all of the distinguished name data contained in the signed certificate.

1 39. The article of manufacture of claim 36, the identified certificate signing  
2 request corresponding to a portion of the read distinguished name data.

1 40. The article of manufacture of claim 36, wherein the content, when  
2 accessed, further causes the machine to import the signed certificate to a server associated  
3 with the identified certificate signing request.



1           41.     The article of manufacture of claim 40, wherein the content, when  
2     accessed, further causes the machine to import the signed certificate to a device that  
3     performs SSL processing on behalf of the server.

1           42.     The article of manufacture of claim 36, wherein the content, when  
2     accessed, further causes the machine to identify at least two certificate signing requests  
3     associated with the signed certificate.

1           43.     An article of manufacture comprising:  
2     a machine accessible medium providing content that, when accessed by a machine,  
3     causes the machine to  
4         provide a mapping table including distinguished name data for each of a plurality  
5                 of certificate signing requests;  
6         extract distinguished name data from a signed certificate received from a  
7                 certificate authority; and  
8         compare the extracted distinguished name data with the mapping table data to  
9                 identify a certificate signing request associated with the signed certificate  
10                from the plurality of certificate signing requests.

1           44.     The article of manufacture of claim 43, the mapping table including at  
2     least a common name for each of the plurality of certificate signing requests.

1           45.     The article of manufacture of claim 43, the extracted distinguished name  
2 data comprising all of the distinguished name data contained in the signed certificate.

1           46.     The article of manufacture of claim 43, the extracted distinguished name  
2 data comprising a common name.

1           47.     The article of manufacture of claim 43, wherein the content, when  
2 accessed, further causes the machine to compare a portion of the extracted distinguished  
3 name data with a portion of the distinguished name data of each certificate signing  
4 request contained in the mapping table to identify the certificate signing request  
5 associated with the signed certificate.

1           48.     The article of manufacture of claim 47, the portion of the extracted  
2 distinguished name data comprising a common name.

1           49.     The article of manufacture of claim 43, wherein the content, when  
2 accessed, further causes the machine to:  
3 compare the extracted distinguished name data with the mapping table data to identify at  
4 least two certificate signing requests from the plurality of certificate signing  
5 requests; and  
6 determine which of the at least two certificate signing requests is associated with the  
7 signed certificate.

1           50.     The article of manufacture of claim 49, wherein the content, when  
2     accessed, further causes the machine to perform a second search of the mapping table  
3     data to determine which of the at least two certificate signing requests is associated with  
4     the signed certificate.

1           51.     The article of manufacture of claim 43, wherein the content, when  
2     accessed, further causes the machine to import the signed certificate to a server associated  
3     with the identified certificate signing request.

1           52.     The article of manufacture of claim 51, wherein the content, when  
2     accessed, further causes the machine to import the signed certificate to a device that  
3     performs SSL processing on behalf of the server.

1           53.     The method of claim 43, wherein the content, when accessed, further  
2     causes the machine to identify at least two certificate signing requests associated with the  
3     signed certificate.

1 54. An article of manufacture comprising:  
2 a machine accessible medium providing content that, when accessed by a machine,  
3 causes the machine to  
4 generate a certificate signing request, the certificate signing request including  
5 distinguished name data;  
6 store the distinguished name data in a mapping table;  
7 transmit the certificate signing request to a certificate authority;  
8 receive a signed certificate from the certificate authority, the signed certificate  
9 including distinguished name data;  
10 extract the distinguished name data from the signed certificate; and  
11 compare the extracted distinguished name data with the stored distinguished name  
12 data contained in the mapping table to identify the certificate signing  
13 request.

1 55. The article of manufacture of claim 54, the stored distinguished name data  
2 comprising all of the distinguished name data contained in the certificate signing request.

1 56. The article of manufacture of claim 54, the stored distinguished name data  
2 comprising a common name.

1           57.     The article of manufacture of claim 54, wherein the content, when  
2     accessed, further causes the machine to compare a portion of the extracted distinguished  
3     name data with a portion of the stored distinguished name data.

1           58.     The article of manufacture of claim 54, wherein the content, when  
2     accessed, further causes the machine to compare a common name contained in the  
3     extracted distinguished name data with a common name contained in the stored  
4     distinguished name data.

1           59.     The article of manufacture of claim 54, the extracted distinguished name  
2     data comprising all of the distinguished name data contained in the signed certificate.

1           60.     The article of manufacture of claim 54, the extracted distinguished name  
2     data comprising a common name.

1           61.     The article of manufacture of claim 54, wherein the content, when  
2     accessed, further causes the machine to:  
3     generate a key pair associated with the certificate signing request; and  
4     identify the key pair when comparing the extracted distinguished name data with the  
5     stored distinguished name data.

1           62.     The article of manufacture of claim 54, wherein the content, when  
2     accessed, further causes the machine to import the signed certificate to a server associated  
3     with the certificate signing request.

1           63.     The article of manufacture of claim 54, wherein the content, when  
2     accessed, further causes the machine to import the signed certificate to an SSL processing  
3     device.

20037239-010302